

Ch.7.1 INTRODUCTION TO POLYNOMIALS

p.425 MONOMIAL $3x^2$

CONSTANT

COEFFICIENT

$$\underline{\underline{3}}x^2$$

$$\underline{\underline{4}}x^5$$

DEGREE OF MONOMIAL

POLYNOMIAL

$$3x^2 + 4x^5$$

BINOMIAL

DEGREE OF POLYNOMIAL

p. 429 #13

STANDARD FORM: START WITH THE HIGHEST
EXPONENT, COEFF. IN THE
FIRST PLACE

$$2.7x^3 + 3.3x^8 + 4.1x^2$$

$$3.3x^8 + 2.7x^3 + 4.1x^2$$

#11, 15

$$\textcircled{\#11} 5x^3 + 4x + 2x^2 + 1x^0$$

$$\textcircled{\#15} \frac{1x^7}{13} + \frac{x^9}{7} - \frac{2}{3}$$
$$\frac{1}{13}x^7 + \frac{1}{7}x^9 - \frac{2}{3}$$

#33

$$y = 3x^3 + x^2 + 2x + 4$$

$$x = 5$$

$$3 \cdot 5^3 + 5^2 + 2 \cdot 5 + 4$$

2nd ^{TABLE} GRAPH

#35

#37

$$(39) (\underline{x^3} + \underline{x^2} + \underline{x} + \underline{1}) + (\underline{2x^3} + \underline{3x^2} + \underline{x} + \underline{3})$$

(430) GET RID OF PARENTHESES
AND COMBINE LIKE TERMS

$$x + x = 2x$$

$$x \cdot x = x^2$$

$$3x^3 + 4x^2 + 2x + 4$$

$$(41) (1 - 5x + x^3) - (2x^4 + 5x^3 - 10x^2)$$

$$1 - 5x + x^3 - 2x^4 - 5x^3 + 10x^2$$

$$-2x^4 - 4x^3 + 10x^2 - 5x + 1$$

NOTE
BOOK
SHOW

HOME

COPY DEFINITIONS IN BOLD LETTERS

COPY TABLE

p. 425

ON A
SEPARATE
PIECE
OF PAPER

p. 429 #12, 14, 30, 34

p. 430 #42, 44